

AMENDMENTS TO THE CLAIMS

1. (Original) A rubber composition, including

α,β-ethylenically unsaturated nitrile-conjugated diene copolymer rubber (A)
having number average molecular weight of 50,000 to 150,000, and a content of α,β-
ethylenically unsaturated nitrile monomer units of 28 to 50 wt%,

α,β-ethylenically unsaturated nitrile-conjugated diene copolymer rubber (B)
having number average molecular weight of 1,000 to 20,000,
ethylene-α-olefin copolymer rubber (C), and
a graft copolymer (D),

wherein

said graft copolymer (D) is obtained by performing graft copolymerization on a mixture of an aromatic vinyl compound and an α,β-ethylenically unsaturated nitrile monomer with an ethylene-propylene-unconjugated copolymer, and a content of structure units of said ethylene-propylene-unconjugated copolymer is 20 to 70 wt%;

a ratio of the graft copolymer (D) with respect to 100 parts by weight in total of said rubber (A), rubber (B) and rubber (C) is 1 to 30 parts by weight; and

a composition ratio of the rubber (A), rubber (B) and rubber (C) is
rubber (A): 20 to 79 wt%,
rubber (B): 1 to 30 wt%, and
rubber (C): 20 to 50 wt%.

2. (Original) The rubber composition as set forth in claim 1, further including a vulcanizing agent.

3-4. (Canceled)

5. (New) The rubber composition as set forth in claim 1, wherein the composition ratio of rubber (A), rubber (B) and rubber (C) is

rubber (A): 40 to 70 wt%,

rubber (B): 5 to 15 wt%, and

rubber (C): 25 to 45 wt%.

6. (New) The rubber composition as set forth in claim 1, wherein the content of structure units of said ethylene-propylene-unconjugated copolymer in the graft copolymer (D) is 25 to 65 wt%.

7. (New) The rubber composition as set forth in claim 1, wherein the content of structure units of said ethylene-propylene-unconjugated copolymer in the graft copolymer (D) is 30 to 60 wt%.

8. (New) The rubber composition as set forth in claim 1, wherein the ratio of the graft copolymer (D) with respect to 100 parts by weight in total of said rubber (A), rubber (B) and rubber (C) is 2 to 20 parts by weight.

9. (New) The rubber composition as set forth in claim 1, wherein the ratio of the graft copolymer (D) with respect to 100 parts by weight in total of said rubber (A), rubber (B) and rubber (C) is 3 to 15 parts by weight.

10. (New) The rubber composition as set forth in claim 1, wherein the vulcanizing agent is a sulfur-based vulcanizing agent selected from the group consisting of precipitated sulfur, 4,4'-dithiomorpholine, tetramethylthiram disulfide, tetraethylthiram disulfide, polymer polysulfide and other organic sulfur compounds.

11. (New) The rubber composition as set forth in claim 1, wherein the vulcanizing agent is an organic peroxide selected from the group consisting of dialkyl peroxides, diacyl peroxides, peroxyesters, dicumyl peroxide, di-t-butyl peroxide, 2,5-dimethyl-2,5-di(t-butyl peroxy)-3-hexine, 2,5-dimethyl-2,5-di(t-butyl peroxy)hexane, 1,3-bis(t-butyl peroxyisopropyl)benzene, benzoyl peroxide, isobutyl peroxide, 2,5-dimethyl-2,5-bis(benzoyl peroxy)hexane, and t-butyl peroxyisopropyl carbonate.

12. (New) The rubber composition as set forth in claim 1, wherein the vulcanizing agent is a polyamine-based vulcanizing agent selected from the group consisting of hexamethylene diamine, hexamethylene diamine carbamate, tetramethylene pentamine, hexamethylene diamine-cinnamaldehyde addition product, hexamethylene diamine-dibenzoate salt, 4,4'-methylene dianiline, 4,4'-oxydiphenylamine, m-phenylenediamine, p-phenylenediamine, 4,4'-methylene

Application No. 10/829,228
Amendment dated June 5, 2006
Reply to Office Action of February 3, 2006

Docket No.: 2593-0146PUS1

bis(o-chloroaniline), dihydrazide isophthalate, adipic acid dihydrazide and sebacic acid dihydrazide.